

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 7:10 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 978 Const Calendar Day: 551 Date: 07-Dec-2013 Saturday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition partly cloudy

Working Day ☒ If no, explain:**Diary:**

Dispute

General Comments

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:



VGO is on site with Dave Van Dyke and Rob Rutledge. They start work at 0800, take lunch between 1200 and 1300, and leave the site at 1630. After the end of today's work, Rob Rutledge goes to the airport to fly back to Oregon. In the morning, Dave continues checking the strain gauges and preparing for connecting the wires at Test Rig #6. Meanwhile, Rob continues installing strain gauges at TR #11 (was 25% complete - 2 of 8 installed yesterday). Then, strain gauge installation starts on TR #10. By the end of the shift today, strain gauge installation on these 2 rods is complete. The work includes cleaning rod, gluing gauges, checking signal, and adding protective covers. With yesterday's completing of strain gauges on the other 2 jacking rods on site, all strain gauge installation is complete at the end of today.

ABF Engineer Kelvin Chen is not at work today.

As was forecast yesterday, there was some rain last night. Because of the intentionally plugged DI in the test rig area, there is an accumulation of water in a "lake" in the middle of the TR area. In order to pump the water to the next DI, ABF needs to check turbidity and pH, with CT reviewing the data and giving permission to pump the water. On this Saturday, the ABF and CT personnel for this operation are not available, so it does not happen. ABF and VGO work around the water today.

Ironworker Barry Rothman is working an 8-hour shift today – since it is Saturday work, the 8 hour shift is 1.5x OT. Ironworker Rob Martell is not at work today after a foot/ankle injury yesterday. In the afternoon, Ironworker Ricky Damboise and Laborer Pedro (Carlos) Garcia assist Barry for a few hours with work at the test rigs, both earning 1.5x OT for the Saturday work.

In the morning, the ABF ironworker spends most of his time in the warehouse to cut additional samples from the test rods from TR's 1-4. Some of the shank pieces cut for testing have been lost in transit to the labs doing the lab portion of the testing. At the request of CT-METS, additional samples are cut from the rods. The rods were previously stored in the warehouse, but are behind other materials in the warehouse. First materials in the way need to be moved, then the rods need to be set up on sawhorses for access, and then 5 pieces are cut from the rods. The samples are as requested from CT-METS and as I mark and label them. In the afternoon, I give these 5 cut pieces to CT-METS for shipment to the labs. The ABF ironworker also moves a pallet with A354 Grade BD material from the warehouse to the CT-METS storage conex in the parking lot, so that this material can be secured. The material includes 8 short (~2') long pieces cut from the rods tested in TR's 1-4, the two shank pieces from the extracted tower foundation anchor rod, and the one remaining piece cut from the spare tower saddle tie rod. Also in the morning, the ABF ironworker moves the TR 8 to 11 jacking rods on the sawhorses at the TR area for VGO to get better



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access to the rods on which they are installing strain gauges.

In the afternoon, Ironworkers Barry Rothman and Ricky Damboise and Laborer Pedro (Carlos) Garcia work on setting and adjusting the 2 jacks for TR #5. These are two 300-ton jacks, because the originally planned 150-ton jacks are no longer on the jobsite. Because these are not the originally planned jacks, they cannot be simply set on lugs on the end plate and jacking beam, and instead need to be set on timbers adjusted to the correct height. By the end of the day, both jacks are set, but they are not final aligned. Also note that there is a leak problem on one jack – it is missing a plug that will need to be replaced later.

I also discuss with ironworker Ricky Damboise the need to gather and test enough hydraulic hoses for the 7 test rig setups. With the ongoing higher priority non-CCO 314 Left Coast Lifter (Shear Leg Crane), he will not be able to gather and test the hoses right away and will do it as soon as possible.

There is a hydraulic pump (Powerteam) on idle/standby at the work area. A generator – Whisperwatt 7000 – ABF ID 002343 is on idle/standby at the work area in the morning and in use for part of the afternoon. A compressor – IR P185R – ABF ID 002075 is on idle/standby at the work area. An extendable forklift is used briefly today (approx half day) for work in the warehouse (TR #1-4 rods) and at the test rigs (TR #5). Two Kubota carts are used at various times today. A portable bandsaw is using for a portion of the day.

Note that there is k-rail at this work area. Some of the k-rail is rented and addressed by the rental agreement. Some of the k-rail is ABF's k-rail (27 pcs @20' and 8 pcs @10') used on site and paid as rented from ABF on a daily basis. However, one of the purchased 10' k-rail and one of the rented 20' k-rail have been removed at some point by ABF's ironworkers. To compensate, the ABF k-rail quantities will be reduced by one for each length. To elevate the k-rail, crane mats and timber blocking (12x12's) are in use. The k-rail quantities are as follows:

10' bought k-rail = 20 pieces (minus 1 missing)

10' ABF k-rail = 8 pieces

20' rented k-rail = 22 pieces (minus 1 missing)

20' ABF k-rail = 27

The agreed extra work with ABF is as follows:

Ironworker Barry Rothman - 8 hrs OT

Ironworker Ricky Damboise - 2 hrs OT

Laborer Pedro (Carlos) Garcia - 2 hrs OT

Extendable Forklift - 2 hrs

Radios (3 radios) - 12 hrs

k-rail: 26 pcs @20' and 7 pcs @10'

Crane Mats (12x12 - 5'x16') - 10 pcs

Crane Mats (12x12 - 5'x7') - 4 pcs

See the attached Extra Work Order - Signed with ABF for CCO 314 work

INSPECTOR OT REMARK:

Field and Office 8 hours: I am in the field intermittently for CCO 314 test rig work. I am also working in the office on CCO 314 issues. ABF's shift is 0700 to 1530. My shift and my OT hours are 0700 to 1530.